



NATIVE AMERICAN RENEWABLE ENERGY EDUCATION PROJECT

CONTACT INFORMATION

310 Barrows Hall
UC Berkeley
Berkeley, CA 94720-3050

Tel: 510.643.1928

Fax: 510.642.1085

email: nareep@socrates.berkeley.edu
website: <http://eetd.lbl.gov/nareep>

The Native American Renewable Energy Education Project (NAREEP) is an education, technical assistance, and research program whose mission is to enhance the ability of Native Americans to assess and carry out renewable energy and energy efficiency projects on tribal lands. It responds to the desires of American Indian communities for cost-effective, environmentally-benign energy services for community needs and economic development.

Established in 1995, NAREEP is a joint project of the Energy and Resources Group at the University of California at Berkeley and the Environmental Energy Technologies Division at Lawrence Berkeley National Laboratory. NAREEP brings together a world-class interdisciplinary team of energy specialists working collaboratively with tribal governments, tribal and inter-tribal organizations, non-profit organizations, academia, consultants, federal and state governments, and the energy industry.

❖ **RECIPIENTS** NAREEP provides many types of assistance, ranging from information exchange to comprehensive on-reservation technical assistance:

- More than 75 tribes have received information and consultation.
- 3 tribes receive ongoing technical assistance.
- Instructors from 15 tribal colleges have received an energy curriculum and training.
- All federally-recognized tribes and hundreds of others have received NAREEP publications including a quarterly newsletter.

❖ **COLLABORATORS** NAREEP has worked in partnership with: American Indian Science and Engineering Society; Mni-Sose Intertribal Water Rights Coalition; Intertribal Council on Utility Policy; Affiliated Tribes of Northwest Indians; Native Sun/Hopi Solar; Institute for Sustainable Power; Solar Energy International; Bonneville Power Administration; Kelso, Starrs, and Assoc.; Indian Energy Services; Land and Water Fund of the Rockies; and over a dozen tribal colleges.

❖ **FUNDERS** NAREEP has received financial support from the US Department of Energy, the Energy Foundation, and the Yurok and Zuni tribes.



Participants in a training on PV system maintenance pose in front of a PV array installed on the Yurok reservation. The training was organized by NAREEP in cooperation with Solar Energy International.

NAREEP Programs



Participants in NAREEP's 1996 Summer Workshop for tribal educators visit a commercial wind farm in Altamont, California.

COMMUNITY ENERGY DEVELOPMENT

To support tribal initiatives to develop energy efficiency and renewable energy.

INFORMATION CLEARINGHOUSE. NAREEP operates a telephone hot-line, e-mail inquiry service, and website to put individuals and tribal organizations in touch with information and resources necessary to carry out sustainable energy projects.

TECHNICAL ASSISTANCE. NAREEP has worked with:

- ◆ The Yurok tribe of northern California since 1996 to form a tribal utility and implement an electrification project using solar photovoltaic and microhydro power.
- ◆ The Rosebud Sioux tribe of South Dakota since 1997 to improve energy efficiency in buildings across the reservation.
- ◆ The Zuni tribe of New Mexico since 1997 to develop a solar water pumping and remote solar electrification project.

TRAINING WORKSHOPS. NAREEP organizes on-site, technical training workshops led by experienced energy efficiency and renewable energy practitioners to facilitate the implementation of specific tribal projects.

RESEARCH

To provide information essential to tribal sustainable energy efforts.

TRIBAL UTILITY ISSUES. NAREEP conducts research on tribal utility formation and the implications of electric industry restructuring for tribes.

TRIBAL ENERGY SURVEY AND DATABASE. NAREEP is cataloging and analyzing case histories of energy efficiency and renewable energy projects undertaken by tribes. NAREEP has surveyed 30 tribes nationwide to identify common energy issues facing tribes and facilitate intertribal learning in this area.

STUDENT RESEARCH. NAREEP connects tribes with graduate students leading to action-oriented research projects. Students working with NAREEP have completed five masters theses contributing to tribal efforts.

EDUCATION

To build long-term tribal capacity in conducting energy project planning, decision-making, and implementation.

TRIBAL COLLEGE ENERGY CURRICULUM. NAREEP provides energy curriculum materials for tribal college courses on such topics as basic energy science, economics and finance, environmental and social impacts of energy, and sustainable energy. NAREEP has distributed its curriculum, developed in cooperation with tribal college instructors, to over 15 tribal colleges.

COMMUNITY LEADER WORKSHOPS. NAREEP conducts workshops to educate community leaders about energy issues. More than 40 tribal educators and community leaders attended two week-long workshops on sustainable energy held by NAREEP.

YOUTH PROGRAMS. By visiting schools, hosting student groups, and offering internship opportunities, NAREEP helps build interest in sustainable energy among young Native Americans. NAREEP organized a one-week solar energy summer camp for 50 American Indian high-school students in partnership with the American Indian Science and Engineering Society.



Wilbur Haskie checks the voltage of an inverter installed on the Zuni reservation.

PUBLICATIONS

Available from the NAREEP website or upon request.

Native Power: A Handbook on Renewable Energy and Energy Efficiency for Native American Communities (1998).

American Indian Tribes and Electric Industry Restructuring: Issues and Opportunities (1997).

Indian Sustainable Energy News. A quarterly newsletter presenting energy efficiency and renewable energy issues, experience, and opportunities in Indian Country.

"Good Energy — Native Americans Lead the Way," a reprint from *Winds of Change* (Summer 1997), a quarterly publication of the American Indian Science and Engineering Society (AISES).

"Tribal College Instructors Learn about Renewable Energy," a reprint from *Tribal College Journal of American Indian Higher Education* (Vol. VIII, No. 4, Spring 1997).